Product Code . EL-TWL-11796

Combined Flow Reactor

Description

Combined Flow Reactor

Specification:-

Stirrer for MFR: Stainless Steel Impeller and shaft coupled with FHP motor JLab make

Feed circulation: By compressed air.

Pressure Gauge: Bourdon type 0-2 Kg/cm2

The whole set-up is ingeniously designed and schematically arranged on a powder-coated rigid structure.

Feed Tank: Material Stainless Steel, Capacity - 20 Ltrs.

1st Reactor: Material Stainless Steel, Capacity 0.7 Ltrs. (approx)

2nd Reactor: Material Stainless Steel, Capacity 2 Ltrs (approx).

Flow Measurement: Rotameter 2 Nos. (one each for Reactants)

Piping: Stainless Steel and PVC

Pressure Regulator: 0-2 Kg/cm2

Objectives:-

Sponification Reaction Study in Coil Tube Type Plug Flow Reactor

Sponification Reaction Study in an MFR.

Sponification Reaction Study in a Combined Reactor

To determine Reaction Rate Constant.

Required for Operation:-

Water Supply & Drain

Compressed Air Supply at 2 Bar, 0.5 CFM.

Instruments, Laboratory Glassware, and Chemicals required for analysis as per the system adopted.
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Educational Lab Equipments,
#449, HSIIDC, Industrial Area, Saha, Haryana
Direct Contact Details +91-98173-19615 sales@educational-equipments.com
www.educational-equipments.com